

# DISHWASHER

## BW450



**Electrolux**

**HOME LAUNDRY**





**IT IS MOST IMPORTANT THAT THIS INSTRUCTION BOOK SHOULD BE RETAINED WITH THE APPLIANCE FOR FUTURE REFERENCE. SHOULD THE APPLIANCE BE SOLD OR TRANSFERRED TO ANOTHER OWNER, OR SHOULD YOU MOVE HOUSE AND LEAVE THE APPLIANCE, ALWAYS ENSURE THAT THE BOOK IS SUPPLIED WITH THE APPLIANCE IN ORDER THAT THE NEW OWNER CAN BE ACQUAINTED WITH THE FUNCTIONING OF THE APPLIANCE AND THE RELEVANT WARNINGS.**

**PLEASE ENSURE THAT YOU HAVE READ THE WHOLE INSTRUCTION BOOK BEFORE USING THE APPLIANCE AND THAT YOU FOLLOW THE RECOMMENDATIONS GIVEN.**

**THESE WARNINGS ARE PROVIDED IN THE INTEREST OF SAFETY. YOU MUST READ THEM CAREFULLY BEFORE INSTALLING OR USING THE APPLIANCE.**

- Unplug the appliance and turn off the water after use.
- Any plumbing work required to install this appliance should be carried out by a qualified plumber.
- Any electrical work required to install this appliance should be carried out by a qualified electrician.
- This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- This product should be serviced by an authorised Electrolux Service Centre, and only genuine Electrolux spare parts should be used.
- It is dangerous to alter the specification or modify the product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- Electrolux dishwashers are designed to be used for washing normal household utensils. Items that are contaminated by petrol, paint, steel or iron debris, corrosive, acidic or alkaline chemicals are not to be washed in a dishwasher.
- When finishing loading or unloading close the door, as an open door can be a hazard.
- If your house is fitted with a water softening unit, it is not necessary to add salt to the water softening unit in the dishwasher.
- Do not put in your dishwasher: cutlery with wooden or horn handles or glued parts, bronze cutlery, saucepans with wooden handles unless they are sold as dishwasher proof, aluminium ware, crystal ware, leaded glass, plastic articles unless sold as dishwasher proof, antique china or fine decorated china unless sold as dishwasher proof. Always check with the manufacturer of the item if in any doubt.
- A chemical reaction can occur between silver cutlery and stainless steel cutlery. As a precaution do not wash together.

- Under no circumstances should you open the door whilst the appliance is in operation.
- Built-in dishwashers only: The appliance must be secured to the underside of the kitchen worksurface using the bracket over the door opening. Failure to do this could result in an unstable appliance which may cause damage or injury.
- Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Electrolux Service Centre. Always insist on genuine Electrolux spare parts.
- Do not use your dishwasher for any purpose other than the washing and drying of crockery, cutlery and cooking implements.
- This appliance should not be connected to a mixer tap.
- The connector at the free end of the inlet hose should not be removed or replaced with an alternative connector.
- The water connection should be arranged so that when in use it does not interfere with the normal domestic supply.
- Do not place any electrical appliance such as a food mixer or carving knife in your dishwasher. If you should do this, do not use the appliance before it is tested by an electrician.
- When replacing the upper rack, do not forget to relocate the stops.
- Heavy items such as large plates and dishes should be placed in the lower dish rack.
- The filters should be checked for clogging after each wash. They must always be replaced in the correct position after cleaning.
- The dishracks should be pulled forward gently on their wheels for loading.
- Do not use ordinary washing up liquids or powders as they prevent the pumps and spray arms from operating properly.
- Before operating, ensure that the drain outlet hose is connected into a drain standpipe or hooked over the sink, and that the water is turned on at the stopcock.
- When cleaning your machine, always make sure that the power supply is turned off at the wall socket and the stopcock is closed.
- Do not swallow dishwasher detergents. If anyone has swallowed detergent give them 1-2 glasses of milk or water to drink immediately. Do not try to make them vomit. Call a doctor or hospital. If anyone gets dishwasher detergent in their eyes, bathe them immediately with plenty of water.
- When disposing of your old dishwasher, please remove the door catch to avoid accidents with children or animals being trapped.
- Allow clearance for air circulation around the machine.
- It is recommended that you always use one brand of rinse-aid solution only. If rinse-aid solutions are mixed, a chemical reaction can result which will adversely affect your dishwasher.

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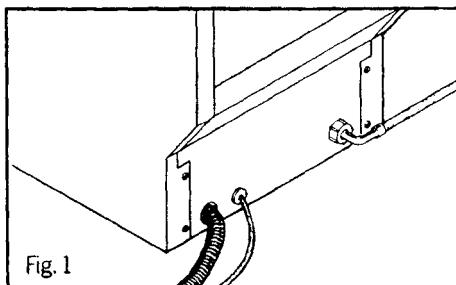


In order that your new dishwasher will operate correctly and give you the best possible results it must be installed in accordance with the following instructions. Any local regulations concerning connections to the electricity and water supplies and drainage must also be complied with.

### ***LOCATION***

Your dishwasher can be placed in any suitable position providing the water, drain and electrical connections are accessible. The machine can be free standing or placed in a recess providing that adequate ventilation is left for air circulation. It can be levelled by adjusting the two front feet using a 25mm spanner. Wherever this machine is placed is must be possible to disconnect and remove the machine easily should service be required.

Your dishwasher has fill and drain hoses which can be turned either to the right or to the left (Fig.1) to suit your installation requirements.



**Before turning the water supply on, ensure that the connections on all hoses are secure to avoid the possibility of flooding.**

- (1) Some of the internal fittings are secured by tape or wire ties; these should be removed before operating the machine.
- (2) If this appliance is replacing an old dishwasher which is to be scrapped, we would ask your assistance in preventing young children becoming trapped inside your old machine by ensuring the door is removed before disposal.
- (3) Make sure you retain this book and keep it in a safe place for future reference.

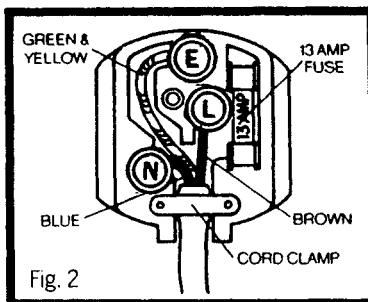
### ***CONNECTING TO THE MAINS***

Before you use your dishwasher check that the voltage shown on the data plate conforms with your mains supply.

The mains lead of the dishwasher is fitted with a non-rewireable moulded-on 13 amp plug containing a 13 amp fuse. In the event of the fuse requiring replacement, the fuse cover/carrier should be removed, using a small screw driver to lever it out. The old fuse should be replaced by a 13 amp ASTA approved BS1362 fuse and the fuse cover/carrier must be refitted before the plug is used again.

The fuse cover/carrier must be of the same colour as that of the coloured insert in the base of the plug. Under no circumstances must the plug be used without a correct fuse cover/carrier fitted. If the plug supplied on the mains lead is not suitable for the socket outlet in your home it should be cut off and disposed of safely, or destroyed, to avoid any possible shock hazard resulting from the plug being inserted into a 13 amp socket elsewhere in the house. A suitable replacement plug should be fitted (as in Fig.2). If a 13 amp plug and socket are not used, the circuit supplying the dishwasher should contain a 15 amp fuse.

**However, we recommend that this operation be carried out by a member of the Electrolux Service Organisation or a qualified electrician.**



### **WARNING : THIS APPLIANCE MUST BE EARTCHED.**

#### **IMPORTANT**

The wires in the mains lead of this appliance are coloured in accordance with the following code:-

GREEN-and-YELLOW  
BLUE  
BROWN

: EARTH  
: NEUTRAL  
: LIVE

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in the plug, proceed as follows:-

Connect GREEN-and-YELLOW coloured wire to the plug terminal marked letter E or earth symbol  $\triangle$  or coloured green or green-and-yellow.

Connect the BROWN coloured wire to the plug terminal marked letter L or coloured red. Connect the BLUE coloured wire to the plug terminal marked letter N or coloured black.

#### **AS A GENERAL GUIDE TO FITTING ANY PLUG**

Ensure the lengths of wire inside the plug are prepared correctly.

Connections should be firmly made after all conductor strands are entered into the terminal posts.

When preparing the cable ends take care not to damage the outer sheath, or the insulation surrounding the inner conductors.

Tighten all screws.

Replace the top cover of the plug and secure.

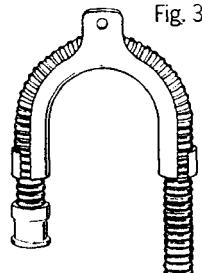
## **RECOMMENDED DRAINAGE CONNECTIONS**

You must abide by any Local Authority Byelaws regarding drainage and if you live in a Multi Storey building we strongly recommend that you seek advice as special arrangements may be required.

### **WATER AND DRAIN CONNECTIONS OUTLET HOSE AND DRAIN**

Alternative methods of discharging to the drains are as follows:-

1. Directly into a sink - by fitting the 'hose former' (supplied) to the end of the hose in order to make it "hooked" - see Fig. 3. Hang the hooked end of the hose over the edge of the sink, making sure that the sink plug has first been removed. The top of the hook should not be higher than 1000mm (40 in.) above the floor.



2. Via a water-break to a fixed drain outlet. The water-break is essential and should be positioned at least 500mm (20 in.) above floor level to prevent water draining away from the machine at times other than intended. The drain stand pipe should have a minimum internal diameter of 38mm (1 in.). A trap should be provided between the stand pipe and the drain to prevent odours arising into the working area (Fig.4).

3. Into a Universal waste trap which replaces the sink trap (Fig.5).

Fig. 4

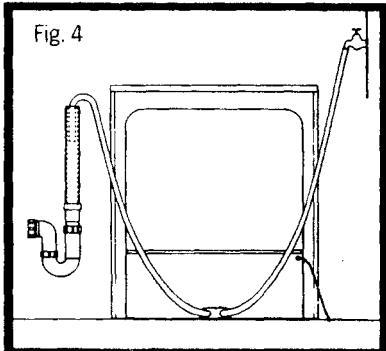
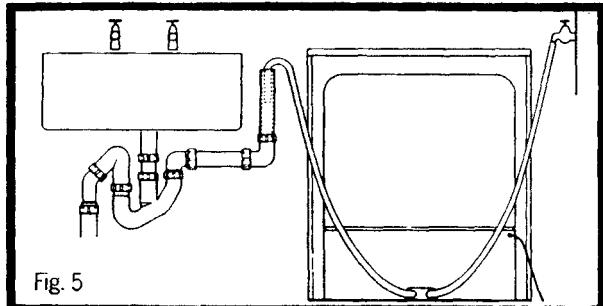


Fig. 5



## INLET WATER CONNECTION

The dishwasher can be connected to the hot or cold water supply. **IT MUST NEVER BE CONNECTED TO A MIXER TAP.**

It should, preferably, be connected to the cold water supply in order to obtain the best wash results. However, if you decide to use a hot water connection, the temperature must not exceed 70°C (158°F). The pressure of the water supply should be between 50 kN/m<sup>2</sup> - 800 kN/m<sup>2</sup> (7 - 116 lb/in<sup>2</sup>).

The water inlet hose has a 3/4" B.S.P.female connector at the free end which is fitted at the factory. No attempt should be made to remove it in order to replace it with an alternative connector to suit existing fittings as it may not be possible to insert the alternative connector into the hose.

The tap or stopcock which regulates the supply of water to the machine must be readily accessible to the user and should have a 3/4" B.S.P.male threaded connector on the free end for the inlet hose. (Do not forget to insert the rubber sealing washer before connecting).

If any other type of water connection is made, it must be suitable for use with high-pressure water and capable of being readily turned on and off by the user. The water connection should be arranged so that when in use it does not interfere with the normal domestic supply.

## S P E C I F I C A T I O N S

<b>Model</b>	<b>BW 450</b>
<b>Height</b>	850mm (33 1/2")
<b>Width</b>	450mm (17.7")
<b>Depth Door Closed</b>	600mm (23 5/8")
<b>Door Open</b>	1155mm (45 1/2")
<b>Weight</b>	51 kg (112 lbs)
<b>Electricity supply</b>	220/240V 50Hz a.c.
<b>Fuse Requirements</b>	13 amp in 13 amp fused plug otherwise 15 amp.
<b>Socket outlet</b>	3 pin 13 or 15 amp, earthed
<b>Electrical Loading</b>	
heater	2570 watts
wash	200 watts
discharge pump	70 watts
<b>Maximum connected load</b>	2840 watts
<b>Water Supply</b>	Cold water preferred
<b>Recommended pressure</b>	50 to 800 kN/m <sup>2</sup> (7 - 116 lb/in <sup>2</sup> )
<b>Water Temperature Control</b>	thermostat 45°C/55°C/65°C
<b>Capacity</b>	Up to 8 I.E.C. place settings

# GETTING TO KNOW YOUR DISHWASHER



This section is designed to help you become familiar with the various features of your new dishwasher.

## 1. Mains on/off button

Push the on/off button in to operate the machine. The mains on indicator lamp (2) will illuminate when the machine is switched on. To stop the machine, push the button in and release it.

## 2.. Mains on indicator lamp

When the machine is switched off, the indicator lamp will go out.

## 3. Wash temperature pushbuttons

These pushbuttons are used in conjunction with the programme selector dial. Simply select the required programme, push in the appropriate button and the machine will heat up to the appropriate temperature. If no buttons are selected, the water will normally heat up to 65°C.

## 4. Door handle

To open the door, grip the handle firmly and pull outwards. To close the door, simply push the door firmly until it engages. Do not use excessive force as you may damage the dishwasher.

## 5. Programme selector dial

The programme selector dial is marked with letters corresponding to the programmes on the control panel. These programmes are explained in more detail on page 16 'Programmes and Sequence Chart'. When selecting a programme, you should turn the programme selector dial clockwise until the letter you require coincides exactly with the white pointer immediately above the dial. **Never attempt to turn the programme selector dial in an anti-clockwise direction.**

## 5a. Programme indicator

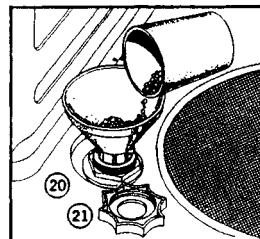
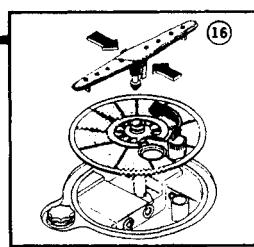
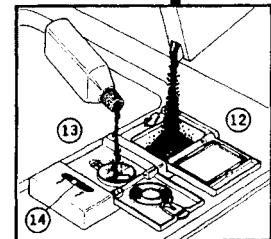
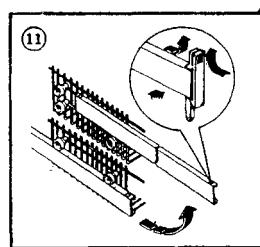
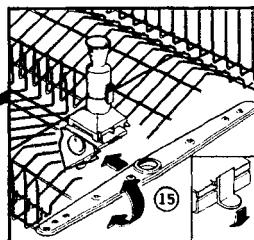
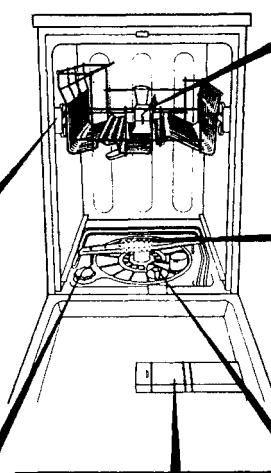
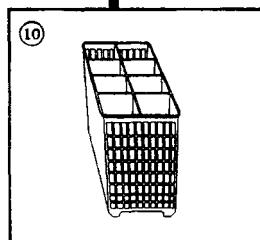
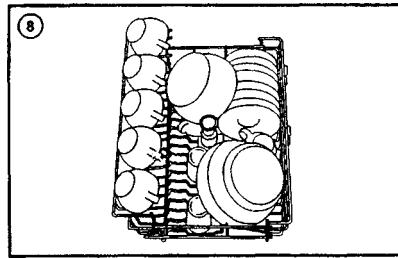
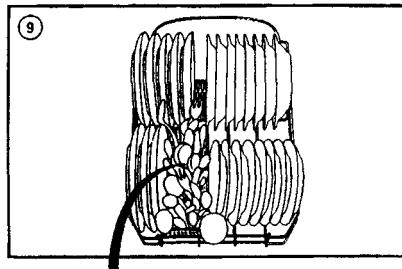
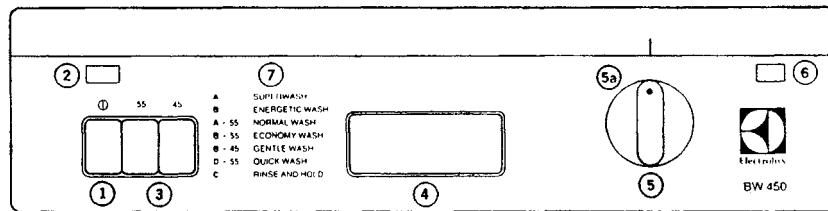
The programme selector dial also has a black spot on it. This spot points to the symbols on the fascia panel around the outside of the dial, indicating the stage that the programme has reached. The black line on the fascia panel indicates that the end of the Quickwash programme has been reached. The symbols are explained below :-

PREWASH	
MAIN WASH	
COLD RINSE	
HOT RINSE	
HOT AIR DRYING	
RINSE AND HOLD	
QUICK WASH	

**Do not use the black spot to select a programme - always use the letters.**

## 6. Salt refilling indicator

When this lamp illuminates, the water softener needs refilling with salt.



## **7. Programme chart**

The programmes are listed on the control panel of your dishwasher. They correspond with the programme selector dial and are explained in more detail on page 16 under 'Programme and Sequence Chart'.

## **8. Upper dish rack**

The upper dish rack is for cups, glassware, small plates, bowls and the like. It has two sets of wheels which enable it to be placed in the dishwasher in one of two alternative positions, depending on the articles to be washed. To remove the upper dishrack, remove the stops (11) by pulling the bottom towards you and then lifting off, and then remove the dish rack. When replacing the dish rack don't forget to refit the stops. The rack is fitted with a flap which is used for holding cups.

## **9. Lower dish rack**

The lower dish rack is for heavier items such as large plates and dishes. The removable cutlery basket (10) is located in the front row as shown in the illustration on page 10 or it can be completely removed to make room for large items such as saucepans. When placing cutlery in the cutlery basket, do not mix silver and stainless steel items, in the same section. Always place items of cutlery with the handles downmost. See that spoons do not rest together, and that slender items cannot protrude through the openings in the bottom and sides of the basket to foul the spray arms.

If washing bulky items or saucepans in the lower dish rack, the upper spray arm can be reversed (see item 15).

## **12. Detergent Dispenser**

The detergent dispenser has a spring loaded flap which can be opened by gently pushing the release button. Once it is released, the flap will spring completely open. To reset, simply close the flap. The flap will now be held in the closed position. At the appropriate time during the wash cycle, the flap will be automatically released to uncover the detergent which is then washed into the machine. The quantity of detergent to be loaded depends on the degree of soiling and the type of load you are washing. On average, we recommend 2 tablespoons (15 grams) if you have to wash normally soiled dishes, and up to 3 tablespoons (20 grams) for heavily soiled dishes. Place the appropriate amount of detergent into the dispenser and then close the lid. Liquid detergent can also be used in the dispenser - read manufacturer's instructions carefully. However, under no circumstances should normal washing up liquid be used.

## **13. Rinse-aid dispenser**

Rinse-aid is a liquid agent which reduces the surface tension of the water so that it readily runs off of the articles being rinsed instead of forming droplets which could leave white spots or streaks after drying. The rinse-aid dispenser automatically injects the rinse-aid into the machine during the final rinse.

## **14. Rinse-aid level indicator**

The indicator is situated on the left hand side of the detergent dispenser and is marked 'MIN' and 'MAX'. The pointer indicates how much rinse-aid is in the dispenser.

### 15. and 16. Spray arms

Water is pumped at high pressure through holes in these arms to spray over the dirty dishes. It is the spraying that is the mechanical action in the washing process. The spray also causes the arms to rotate so that all parts of the wash chamber are covered. It is important therefore that the holes are kept clear by regularly removing the arms from the wash chamber and rinsing them under a tap.

If a small load of bulky items or saucepans and dishes are to be washed, these can be placed in the lower dish rack. The upper spray arm (15) should then be reversed. (see Figure 6). To do this, unhook the upper spray arm from the central support and refit it in a reverse position (i.e. with the holes on the bottom). The reason for reversing the spray arm is that the wash efficiency is improved because the bottom basket is being sprayed by both arms. No wash action will take place in the upper basket while using the spray arm in the reversed position. When the wash is complete, remember to replace the upper spray arm to its original position (i.e. with the holes facing uppermost). To remove the lower spray arm (16) simply press the two securing catches together and lift the arm out of position.

### 17, 18. and 19. Filters

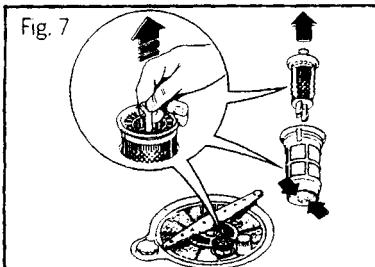
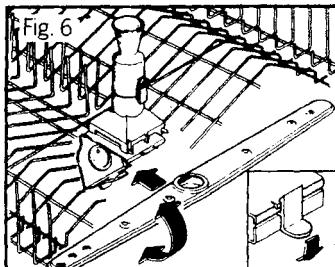
Particles of food washed off the plates and dishes etc. are trapped by the filters. Blocked filters reduce the wash efficiency of the machine. The filter assembly consists of two small cone shaped filters (18) and (19), one fitting within the other, both being housed in the large filter (Figure 7.) We recommend that you inspect the two small filters (18) and (19) after each wash cycle, removing any food scraps that you might detect.

The two cone shaped filters are removed together, simply by lifting them up. To remove the inner filter (19), squeeze together the two small plastic tongues sticking out from the bottom of the outer filter (18). To replace them, push them back together until you feel them click.

The large fine-mesh filter (17) should be cleaned from time to time (on average once every two months). Remember to clean both sides of this filter using a suitable brush. To remove the large filter, take off the lower spray arm (as described above). Turn the upper ring of the filter in an anti-clockwise direction and lift out of position. ('E' - Figure 8).

To replace the filter, reverse the above procedure. Make sure that the outer rim fits correctly in its housing at the bottom of the machine.

**THE DISHWASHER SHOULD NOT BE OPERATED WITHOUT ALL FILTERS BEING CORRECTLY INSTALLED.**



## 20. Water Softener

To prevent the build up of white deposits on dishes and glasses which could occur where hardness is present in the water, your dishwasher incorporates its own water softener. This softener uses special resins to remove the hardness and these are automatically regenerated during the last part of each wash cycle using regeneration salt. Thus the water softener is ready to do its job again during the next wash.

## 21. Water softener adjuster

As the hardness of water varies throughout the country the amount of regeneration the softener requires will also vary. This can be adjusted to suit most water conditions to be found in Britain. The adjuster is situated inside the salt container. (see page 14 for details).

## *PREPARING YOUR DISHWASHER*

Before using your new dishwasher for the first time you must (A) Fill and adjust the rinse-aid dispenser; (B) Fill the salt container for the water softener and adjust the softener.

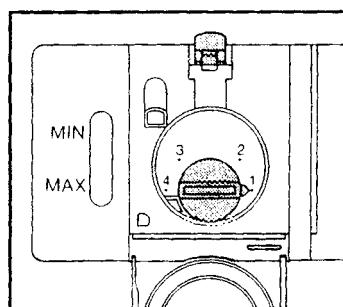
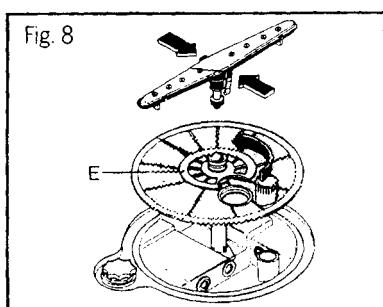
### **Filling the rinse-aid dispenser**

It is preferable to use rinse-aid and detergent of the same make so that they are compatible with one another. Electrolux have tested and recommend 'SUN' rinse-aid and detergent, free samples of which are supplied with every machine. To fill the rinse-aid container open the lid on the rinse-aid dispenser by pressing the catch. Pour the rinse-aid liquid into the funnel and then close the lid. The level of rinse-aid can be checked through the level indicator.

### **Adjusting the dispenser**

The amount of rinse-aid dispensed can be varied to suit the differing water supplies. Start with the adjuster set to position 1. The results achieved will show you whether adjustment is necessary. If white spots are evident after the wash has been completed and the articles have dried, the dispenser will need to be altered. To do this, simply turn the adjuster knob, one point at a time, to a higher setting. Continue in this way until satisfactory results are obtained. Remember the rinse-aid container should always be refilled before it is completely empty.

Fig. 8



## ***FILLING THE SALT CONTAINER FOR THE WATER SOFTENER***

Remove the lower dish rack to give access to the salt container filler cap. Having removed the cap, place a funnel over the opening and pour in about 1kg (2 lb) of water softener granular or regeneration salt. This is available from larger hardware shops or builders merchants. Do not use domestic salt as this contains trace elements which could affect the efficiency of the softener. Fill the container with water (this operation should be carried out during the first salt filling only). After filling always wipe away any excess salt from around the top of the container so that the cap can be replaced and screwed down securely. The salt will only need to be refilled periodically.

The indicator lamp on the fascia panel will remind you when the water softener needs refilling.

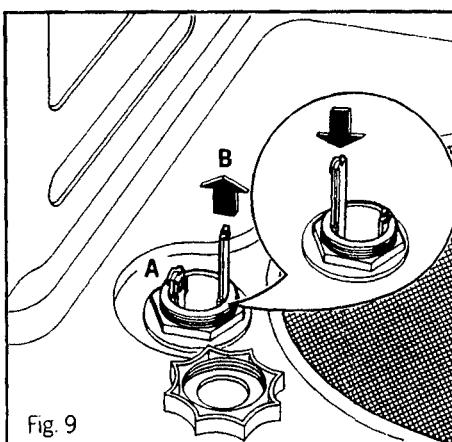
After carrying out salt refilling and topping up operations you should carry out the Rinse and Hold programme immediately. This will prevent salt granules from lying on the bottom of your machine for any length of time.

## ***ADJUSTING THE SOFTENER***

If you live in an area with particularly hard water, the water softener should be adjusted. Your local Water Authority should be able to advise you on water conditions in your area.

To adjust the softener: (See figure 9)  
a) remove the water softener cap.  
b) pull out the plastic bars (A) white and (B) red (Figure 9).  
c) replace the plastic bars in the opposite locations.

The white bar (A) is initially mounted on the left-hand side of the water softener. We suggest that you carry out this operation during installation of the machine or before salt refilling.





## **1. Scrape plates clean of large pieces of waste food, bones etc.**

### **2. Loading**

The dish racks should be pulled forward gently on their wheels to make the racks more accessible for loading. Typical loadings for each of the racks are shown in the illustrations on Page 10. The upper dish rack is for cups, saucers, glassware, small plates and bowls etc. Cups, glasses and bowls should be placed upside down. The rack has a flap which is used for loading the cups.

**The lower dish rack** is for large plates, dishes, saucepans, etc. The cutlery basket is located in the front row as shown in the illustration on page 10.

**Cutlery basket.** When putting cutlery into the basket, the items should be placed with their handles downmost. Make sure that spoons and forks do not rest together and thus prevent the water jets from reaching all soiled surfaces. Also, make sure that slender items cannot protrude through the openings in the bottom of the basket and foul the spray arms. Also, never mix silver and stainless steel items in the same section of the basket (see page 20).

### **3. Detergent - *What Type?***

You should only use a detergent specially designed for dishwashers. Never use ordinary washing up liquids or powders as they do not contain the correct ingredients for machine washing and the considerable lather which would be produced would prevent the pumps and spray arms from operating properly. For best results, Electrolux recommend 'SUN' which has been specially formulated for use in domestic dishwashers.

### **How Much?**

At first you should follow the instructions given on the packet and as you gain experience you can vary the amount to suit your need in terms of the type of load and degree of soiling at any one time.

### **4. Filling the Detergent Dispenser**

Open the flap of the detergent dispenser and put the required amount into the dispenser. Close flap after filling dispenser.

### **5. Check rinse-aid**

Check that there is sufficient quantity of rinse-aid. Do not forget, after examining articles from the first few washes, to adjust the rinse-aid dispenser if necessary. Remember too that it should be filled once the correct setting has been found. Always keep a spare quantity of detergent, rinse-aid and regeneration salt to hand.

### **6. Check salt**

Make sure that the salt container has been filled (see page 14).

### **7. Final preparations**

Close the door and check that the drain outlet hose is either hooked over the sink or into the drain standpipe and that the water is turned on at the stopcock. Select the programme required, and push in the mains on/off button. The mains indicator lamp will illuminate.

## Programmes and Sequence Chart.

PROGRAMME	TYPE OF LOAD AND DEGREE OF SOIL	RECOMMENDED PROGRAMME	PROGRAMME KNOB SETTING	REQUIRED PUSH BUTTON	CYCLE DESCRIPTION
1	Extremely soiled crockery, pots, pans and cutlery	Superwash	A	<input type="checkbox"/>	Cold prewash. Main wash up to 65 °C. 1 cold rinse. 1 hot rinse. Hot air drying.
2	Normally soiled crockery, pots, pans and cutlery, with a reduced quantity of food scraps	Energetic wash	B	<input type="checkbox"/>	Main wash up to 65 °C. 1 cold rinse. 1 hot rinse. Hot air drying.
3	Normally soiled crockery, pots, pans and cutlery, with a normal quantity of food scraps	Normal wash	A	<input type="checkbox"/> 55	Cold prewash. Main wash up to 55 °C. 1 cold rinse. 1 hot rinse. Hot air drying.
4	Lightly soiled crockery, pots and cutlery	Economy no prewash	B	<input type="checkbox"/> 55	Main wash up to 55 °C. 1 cold rinse. 1 hot rinse. Hot air drying.
5	Lightly soiled dishes and glasses	Gentle no prewash	B	<input type="checkbox"/> 45	Main wash up to 45 °C. 1 cold rinse. 1 hot rinse. Hot air drying.
6*	Lightly soiled crockery	Quick wash	D	<input type="checkbox"/> 55	Main wash up to 55 °C. 2 cold rinses.
7	Partial load (to be completed later in the day)	Rinse & hold	C	<input type="checkbox"/>	Cold rinse to prevent food scraps from drying up and sticking to the dishes.

\*Note: This is a special programme to wash in a short time (approx. 23 minutes) a full load of lightly soiled dishes, glasses and crockery (except pots) so that you may re-use them promptly. Due to the shortness of this programme, no drying phase is provided.

## **8. After the wash**

When the washing programme has finished, the machine will stop but the mains on indicator will remain illuminated. You should then switch off the machine, and also turn off the water supply stopcock. Do not turn off the water before the programme has finished, as water is needed for the regeneration of the water softener which takes place during the drying cycle. Finally, remember to inspect the filters regularly and, if necessary, rinse them under a tap. Note that there may be a small amount of water left in the filter recess.

## ***S P E C I A L   P R O G R A M M E S***

### **Rinse and Hold Programmes**

The 'rinse and hold' programme should be used when you do not have enough articles to justify a complete wash, especially useful when the soil on the plates has a strong odour such as sea food.

After rinsing, the dishes can remain in the machine until after the next meal, or until there is a reasonably full load.

**NOTE : Do not put stainless steel items into your machine on this programme.**

## ***C A R E   A N D   C L E A N I N G***

Before carrying out any cleaning of your machine always make sure that the power supply is turned off at the wall socket and the stop-cock is closed.

Your machine will be kept in good condition if you carry out the following recommendations:-

1. Check the detergent dispenser, wipe away any powder deposits and dry the compartments thoroughly.
2. Wipe over the outside of your machine with a damp cloth only. Do not use any other form of cleaning such as metal polish, otherwise you may damage the surface.
3. Clean the front edge, particularly around the hinges and the door gasket with a damp cloth periodically.
4. Wipe around the outer edges of the inner door panel occasionally with a damp cloth.

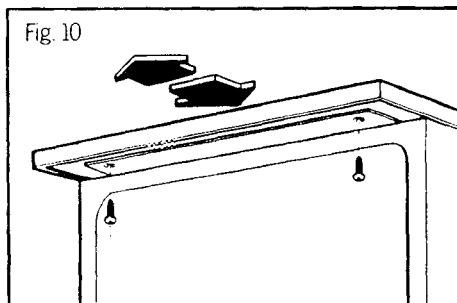
## ADDITIONAL FEATURES



### Adjusting the worktop

The worktop can be adjusted either forwards or backwards, up to 25mm, to enable it to be aligned with kitchen furniture.

Using a Phillips screwdriver, remove the two securing screws from the front of the worktop (as shown in Figure 10). Adjust the worktop to the required position, then replace the securing screws.



### Installing under a work surface

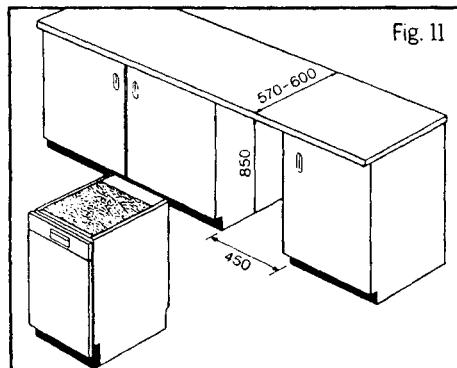
Your dishwasher can be installed under a work surface or under a sink.

To do this you will need to:-

- a) remove the worktop from the machine by unscrewing the two securing screws (as explained above).
- b) push the worktop towards the rear of the machine, as far as possible, then lift it out of position.
- c) the cabinet should be secured to the underside of the work surface using screws through the holes from which screws were removed in a).

The worktop should be left off to enable adequate ventilation.

The dimensions required for installing your dishwasher under the work surface are shown in Figure 11.



### **Fitting a decor panel**

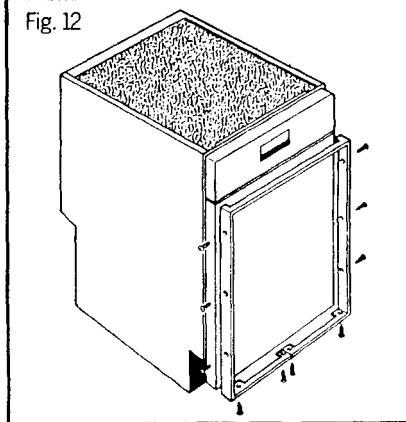
Model BW450 is supplied in white with a decor frame around the main door and lower panel (see Fig.12). To fit the panel proceed as follows:-

1. Remove the 3 screws on each side and four screws on the lower edge of the door.
2. Remove the decor panel
3. Cover this panel with a sheet of laminated plastic so that it co-ordinates with your kitchen.
4. Replace the decor panel and replace the screws in the frame.

The laminated covering sheet should have the following measurements:-

Width	436mm
Height	592mm
Max. Thickness	4mm.

Fig. 12



## USEFUL INFORMATION



Generally speaking, crockery and cutlery which can normally be washed by hand can also be washed in the machine, although pans, casserole dishes, etc., which have food burnt on, cannot always be expected to be completely clean. Some materials are not suitable for machine washing, or require special treatment, therefore, to avoid any disappointment, we suggest the following information is carefully studied.

### **Plastic-ware**

Some plastics are suitable for washing in the high water temperature obtained in the machine but others may warp and discolour. If there is any doubt, we suggest that one small item from the set is washed initially to check the results.

### **Antique and handpainted china or porcelain**

Because these delicate materials can be bleached or discoloured even by hand washing, we do not recommend that these articles are machine washed.

### **Aluminium**

If tarnishing has taken place in previous washes, remove bright aluminium articles before the final rinse cycle. Simply stop the machine. Remove the articles and then restart the machine. To remove tarnish from an aluminium pan, boil water with a little vinegar added in the pan. Rinse and dry the pan. Do not wash coloured aluminium articles in your machine.

### **Ceramic glazes**

Some glazes will not withstand machine washing temperatures and a trial wash is recommended on a less important piece.

### **Glass**

Wash glasses on gentle wash programme at 55°C. Cut glass, glasses with coloured decorations and lead crystal are not suitable for machine dishwashing.

### **Stainless Steel**

Although cutlery manufactured from stainless steel is generally considered stain-proof, it is possible, if washed in contact with silverware, for an action to be set up resulting in corrosion of the stainless steel. This is why we recommend that stainless steel cutlery and silver cutlery be placed in different sections of the cutlery basket so that they do not come in contact with each other. As stainless steel can become pitted if left too long in contact with moisture, cutlery should not be subjected to the rinse and hold cycle. When the dishwasher has completed its cycle, cutlery should be removed and wiped dry. Any stains that are produced, for example by hard water, can usually be removed by rubbing the articles with a non-abrasive metal cleaning paste.

#### **Warning:**

#### **DISHWASHER DETERGENTS ARE DANGEROUS**

If anyone has swallowed dishwasher detergent give them 1-2 glasses of milk or water to drink immediately. Do not try to make them vomit. Then call a doctor or hospital.

If anyone gets dishwasher detergent in their eyes, bathe them immediately with plenty of water.

Make sure that dishwasher detergent is kept out of the reach of children.



In the event of your machine developing a fault, you should quickly run through this check list before calling your local Electrolux Service Centre.

**If your wash is not satisfactory.**

1. Check that the crockery or cutlery has been properly loaded.
2. Check that the spray arms, or holes in the arms, have not become obstructed or blocked.
3. Check that the filter is clean.
4. Check that the programme selected was the correct one.
5. Check that the correct amount of detergent was used.
6. If white spots are evident on articles after washing, check that the rinse-aid container is not empty; if it still contains rinse-aid, move the adjuster to a higher setting. (Note: Spots may appear on glass where it has dried in contact with the basket.)
7. If a white film develops on plates, etc. and on the dishwasher interior check whether the water softener requires additional salt. If the salt container is full increase the setting of the softener adjuster.
8. Check that the programme has been completed.
9. Check that the drain hose is not blocked.

**What to do when a fault occurs : Machine does not start**

(Note: the machine does not start immediately therefore wait 1-2 minutes before going through the following procedure). Check that:

1. The mains switch is on. If the indicator light does not illuminate check your plug and fuse.
2. Electricity is reaching your wall socket by plugging in another appliance.
3. The water supply is turned on.
4. The door is properly closed.

If all the above points are in order there is a fault in the machine and you should switch off both the wall socket and the machine. The door may be opened and the dishes removed.

**Noise**

This dishwasher is one of the quietest on the market. If excessive noise occurs check that the dishes inside are not knocking against each other or that the top spray arm is not knocking against large plates in the lower dish rack.

**Water does not enter the machine although water and electricity are turned on**

Check that the inlet hose is properly located in the recess at the bottom rear of the machine, and that it is not kinked.

**Water enters the machine and continues to flow out resulting in the machine failing to start.**

Check that your drainage hose is raised to the correct height - no less than 500mm (20in.) above the floor.

**The machine will not drain**

Check that the drainage hose is not kinked.

Check that the filter is not clogged.

## G U A R A N T E E

This Guarantee is offered to you as an extra benefit and does not affect your legal rights.

Electrolux products are carefully designed, manufactured, tested and inspected and in consequence we undertake to replace or repair any part found to be defective in material or workmanship, within one year of delivery to the original purchaser, free of charge.

**ADDITIONALLY, DURING THE SUBSEQUENT FOUR YEARS ANY DEFECTIVE PARTS WILL BE REPLACED FREE - LABOUR COSTS ONLY BEING CHARGEABLE.**

This Guarantee is conditional upon service at all times being carried out by an Electrolux Service representative or an authorised agent, and the appliance having been correctly installed and used in accordance with the Company's instructions under normal domestic conditions within the United Kingdom or the Republic of Ireland. It may be invalidated by unauthorised repair or modification of the appliance.

The Company does not accept liability for defects arising from neglect, misuse, or accident. Blockages in filters and waterways are also excluded from this guarantee.

Proof of the date of purchase will be required before free service under guarantee is provided. Addresses and telephone numbers for service requests are listed on page 23.

## NORTHERN DIVISION

Electrolux Service  
P.O. Box 19  
Altham Lane  
Altham  
ACCRINGTON BB5 5XX

Aberdeen	0224 696569
Altham	0282 74621/2/3/4
Belfast	0232 746591
Birmingham	021 358 7076/5051
Edinburgh	031 557 8383
Gateshead	091 493 2025
Glasgow	041 647 4381
Leeds	0532 608511
Leicester	0533 515131
Liverpool	051 254 1724

## SOUTHERN DIVISION

Electrolux Service  
Limberline Road,  
Hilsea,  
PORTSMOUTH PO3 5JJ

Brighton	0273 694341
Bristol	0272 211876
Cardiff	0222 460131
Newton Abbot	0626 65909
Oxford	0993 704411
Portsmouth	0705 667411
Tonbridge	0732 357722

## LONDON & EASTERN DIVISION

Electrolux Service  
Limberline Road,  
Hilsea,  
PORTSMOUTH. PO3 5JJ

Canvey Island	0268 694144
London (North)	01 443 3464
London (South)	01 658 6069
London (West)	01 965 9699
Norwich	0603 667017



This appliance conforms with the requirements of  
EEC Directive No. 82/499 relating to radio interference.

In accordance with its policy of progressive product design  
the Company reserves the right to alter specifications.



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